

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: March 23, 2004, 16:01:09 ; Search time 42 Seconds

(without alignments)
1424.254 Million cell updates/sec

Title: US-09-445-480B-2

Perfect score: 1287
Sequence: 1 MALSDQAKFSKGVYVIMV.....VDSGVKVPDSVFEKPTC 231

Scoring table:

BIOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1049977 seqs, 25895539 residues

Total number of hits satisfying chosen parameters: 1049977

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications AA:*
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18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	ID	Description
1	272	21.1	2749	15	US-10-360-101-265
2	259.5	20.2	447	10	US-09-796-753-90
3	259	20.1	427	9	US-09-908-711-76
4	259	20.1	427	9	US-09-764-851-60
5	259	20.1	434	11	US-09-764-851-60
6	255.5	19.9	452	14	US-10-247-451-1
7	255.5	19.9	452	15	US-10-247-451-41
8	254.5	19.8	310	9	US-09-796-753-88
9	254.5	19.8	446	10	US-09-796-753-88
10	254.5	19.8	446	14	US-10-247-451-1
11	254.5	19.8	446	15	US-10-247-451-1
12	253.5	19.7	409	9	US-09-908-711-122
13	253.5	19.7	409	9	US-09-764-851-798
14	252.5	19.6	408	14	US-10-203-708-39
15	252.5	19.6	434	14	US-10-247-451-2

16	252.5	19.6	434	14	US-10-203-708-40	Sequence 40, Appl
17	252.5	19.6	434	15	US-10-247-451-2	Sequence 2, Appl1
18	252.5	19.6	435	15	US-10-458-143-4	Sequence 4, Appl1
19	252.5	19.6	441	12	US-10-257-174-48	Sequence 48, Appl
20	247.5	19.2	238	9	US-09-925-300-941	Sequence 941, Appl
21	245.5	19.1	1376	12	US-10-211-462-117	Sequence 117, Appl
22	245.5	19.1	1376	14	US-10-021-660-103	Sequence 103, Appl
23	245.5	19.1	1376	15	US-10-428-487-42	Sequence 15, Appl1
24	244	19.0	844	14	US-10-342-103-16	Sequence 12, Appl1
25	244	19.0	863	14	US-10-342-103-12	Sequence 33945, A
26	216.5	16.8	366	14	US-10-029-386-33945	Sequence 383, Appl
27	161	12.5	439	14	US-10-205-823-383	Sequence 138, Appl
28	159	12.4	442	14	US-10-205-219-129	Sequence 442, Appl
29	156	12.1	436	9	US-09-745-763-138	Sequence 442, Appl
30	156	12.1	436	9	US-09-978-295A-442	Sequence 442, Appl
31	156	12.1	436	9	US-09-978-697-442	Sequence 442, Appl
32	156	12.1	436	9	US-09-978-192A-442	Sequence 442, Appl
33	156	12.1	436	9	US-09-978-832A-442	Sequence 442, Appl
34	156	12.1	436	10	US-09-978-189-442	Sequence 442, Appl
35	156	12.1	436	10	US-09-978-608A-442	Sequence 442, Appl
36	156	12.1	436	10	US-09-978-585A-442	Sequence 442, Appl
37	156	12.1	436	10	US-09-978-191A-442	Sequence 442, Appl
38	156	12.1	436	10	US-09-978-403A-442	Sequence 442, Appl
39	156	12.1	436	10	US-09-978-564A-442	Sequence 442, Appl
40	156	12.1	436	10	US-09-993-833A-442	Sequence 442, Appl
41	156	12.1	436	10	US-09-981-915A-442	Sequence 442, Appl
42	156	12.1	436	10	US-09-978-824-442	Sequence 442, Appl
43	156	12.1	436	10	US-09-918-585A-442	Sequence 442, Appl
44	156	12.1	436	10	US-09-978-423A-442	Sequence 442, Appl
45	156	12.1	436	10	US-09-978-193A-442	Sequence 442, Appl

ALIGNMENTS

RESULT 1
US-10-360-101-265
Sequence 265, Application US/10360101
Publication No. US20040059550A1
GENERAL INFORMATION:
APPLICANT: Moll, Gert N.
TITLE OF INVENTION: Export and modification of (poly)peptide in the lantibiotic way
FILE REFERENCE: 2183-5673
CURRENT APPLICATION NUMBER: US/10/360,101
CURRENT FILING DATE: 2003-02-07
PRIOR APPLICATION NUMBER: EP 02077060.8
NUMBER OF SEQ ID NOS: 309
SOFTWARE: PatentIn version 3.1
SEQ ID NO 265
LENGTH: 2749
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: sequence of thyroglobulin
US-10-360-101-265

Query Match 21.1%; Score 272; DB 15; Length 2749;
Best local similarity 26.7%; Pred. No. 7e-17;
Matches 75; Conservative 32; Mismatches 80; Indels 94; Gaps 9;
QY ASLTTCQ-QQASANGLG---TYVQCKETGEFEKQMSSTGYCWCVDDEKEITG 86
Db ACTLSFCQIQQQQILISGYINSTSYLPQCQDSGVAPVQCVQVCWCVAEEMETYG 131
QY TIRKSPD-CSRKAKALTLICQMGAILIIVNPGWCPGSCADSGFDEVCASN----- 139
Db TIRKSPD-CSRKAKALTLICQMGAILIIVNPGWCPGSCADSGFDEVCASN----- 139
QY 132 TQGLRPRKPRK-----CETRRRLRHGVGDKSPPCSAEGFMEVQCKEVTNTDMKI 185
Db 140 -----GECYVDKKEKELEGRROO----- 158
Db 186 EDLVHSYRFPDAFVTFSSQRRPEVSYGCHCADSQRELATGELLLDEITYTTPAG 245

Wed Mar 24 12:45:13 2004

us-09-445-480b-2.rapb

Page 2

QY 159 -----GRPTCERHLSCECEARIKAHNSLRVEMFVE 190
DB 246 LDIPEFTTITRIKLRRLAVQVIGSRRC---TKCEVERFLATSFC---HPVPS 299
QY 191 CLBDGYNPVQCPSTGYCWCVDGCVKVPQSDVREKRPIC 231
DB 300 CRRNGDYQAVOC-QTEGFCWCVDADQCKEMHGTROGEPSPC 339

RESULT 2
US-09-796-753-90
; Sequence 90, Application US/09796753
; Publication No. US20030027998A1
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean A.
; TITLE OF INVENTION: SECRETED PROTEINS AND USHS THEREOF
; FILE REFERENCE: 7853-227-999
; CURRENT APPLICATION NUMBER: US/09/796,753
; PRIOR FILING DATE: 2001-03-01
; PRIOR APPLICATION NUMBER: 09/183,175
; PRIOR FILING DATE: 1998-10-30
; PRIOR APPLICATION NUMBER: 09/223,094
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/223,546
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/224,246
; PRIOR FILING DATE: 1998-12-30
; PRIOR APPLICATION NUMBER: 09/259,388
; PRIOR FILING DATE: 1999-02-26
; PRIOR APPLICATION NUMBER: 60/122,458
; PRIOR FILING DATE: 1999-03-01
; PRIOR APPLICATION NUMBER: 09/312,359
; PRIOR FILING DATE: 1999-05-14
; PRIOR APPLICATION NUMBER: 09/336,536
; PRIOR FILING DATE: 1999-06-18
; PRIOR APPLICATION NUMBER: 09/342,687
; PRIOR FILING DATE: 1999-06-29
; PRIOR APPLICATION NUMBER: 09/345,464
; PRIOR FILING DATE: 1999-06-30
; PRIOR APPLICATION NUMBER: 09/365,164
; PRIOR FILING DATE: 1999-07-30
; PRIOR APPLICATION NUMBER: 09/399,723
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 09/409,634
; PRIOR FILING DATE: 1999-09-30
; PRIOR APPLICATION NUMBER: 09/471,179
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; PRIOR FILING DATE: 2000-03-01
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; PRIOR FILING DATE: 2000-05-14
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; PRIOR FILING DATE: 2000-06-19
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; PRIOR FILING DATE: 2000-06-22
; PRIOR APPLICATION NUMBER: 09/630,334
; PRIOR FILING DATE: 2000-07-31
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; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 09/606,317
; PRIOR FILING DATE: 2000-06-29
; PRIOR APPLICATION NUMBER: 09/665,666
; PRIOR FILING DATE: 2000-09-20
; PRIOR APPLICATION NUMBER: 09/677,751
; PRIOR FILING DATE: 2000-09-30
; NUMBER OF SEQ ID NOS: 162

; SEQ ID NO 90
; LENGTH: 447
; TYPE: PRT
; ORGANISM: Mus musculus
US-09-796-753-90

Query Match 20.2%; Score 259.5; DB 10; Length 447;
Best Local Similarity 28.9%; Pred. No. 1.2e-16;
Matches 58; Conservative 30; Mismatches 86; Indels 27; Gaps 5;

QY 41 QASANSGLITVVPQCKTEFEFEKQCMSTGYCWCVDDEKELITKI-RSPDCSRRK 99
DB 98 DEQARKEFOGVFTPECDNDGYTQVCHSYTYGWCVTPNRPISTGTAVAHKTPRCP--- 154
QY 100 AALITLCQMMALITVNPVGMCG-----PPSCADGSEFDEVQCAASNECYCVDKKEE 151
DB 155 -----GSINEXYFORBGAGRADMAAPALETPQGDDEHDIASYPTLMTGEVKSQ 205
QY 152 LSGTRQGRPTCERHLSCECEARIKAHNSLRVEMFVEPCLDGSYNPVQCPSTGYCWC 211
DB 206 NKTNNKASSCDQHQSGALEFAKQPKNDN-----VVIPECAHGLYKPVQCHPSTGYCWC 260
QY 212 V-DEGCVKVPQSDVREKRPIC 231
DB 261 VLVDTGRPIPTGSTRYQPKC 281

RESULT 3
US-09-908-711-76
; Sequence 76, Application US/09908711
; Patent No. US20020045230A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PA128
; CURRENT APPLICATION NUMBER: US/09/908,711
; PRIOR FILING DATE: 2001-07-20
; PRIOR APPLICATION NUMBER: US01/01360
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,867
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01344
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,892
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01345
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,888
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; PRIOR APPLICATION NUMBER: US01/01329
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,905
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01354
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,891
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01339
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,869
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01340
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,874
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01334
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,898
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01320
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,853
; PRIOR FILING DATE: 2001-01-17

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; PRIOR APPLICATION NUMBER: US01/01349
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,902
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; PRIOR APPLICATION NUMBER: 09/764,870
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; PRIOR FILING DATE: 2001-01-17
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; PRIOR FILING DATE: 2001-01-17
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; PRIOR FILING DATE: 2001-01-17
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; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 167
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 76
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-908-711-76

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Query Match
Best Local Similarity 20.1%; Score 259; DB 9; Length 427;
Matches 60; Conservative 32; Mismatches 91; Indels 20; Gaps 7;

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QY 41 QASANSGLIGTYVPCKETGEFEKQCKSGTGCWCVDDEGKELGTIKI-RSSPDC--- 95
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QY 96 -----SRKALTLTLCOMQALIVNPGMCGPPSCAKDGSFPEVQCCASNGECYCVDKK 150
DB 128 NEKLPOREGTGKTIV--SLQIFSVLNSDDAAAPALETQPGDEEDIASRPTLTMTBOYKSR 185
QY 151 ELEGTROQGRPTCER-HISECEARIKANSRLRVMFVPECLDGSYNPVQCMWSTGYC 209
DB 166 Q-NKTNKNSVSSCDDEHQSALAEKQPKNDN-----VVIPECAHGLGLYKPVQCHSTGYC 239
QY 210 WCV-DEGGVAVPDSVDFRFRPTC 231
DB 240 WCVLVDTGRPIPTSTRTYEQPKC 262

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RESULT 4
US-09-764-853-610
; Sequence 610, Application US/09764853
; Patent No. US20020090672A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PU206

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; CURRENT APPLICATION NUMBER: US/09/764,853
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 939
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 610
; LENGTH: 427
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-853-610

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Query Match
Best Local Similarity 20.1%; Score 259; DB 9; Length 427;
Matches 60; Conservative 32; Mismatches 91; Indels 20; Gaps 7;

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QY 41 QASANSGLIGTYVPCKETGEFEKQCKSGTGCWCVDDEGKELGTIKI-RSSPDC--- 95
DB 68 QEQARKFQGVFIPECDNDGTYSQVCHSTYTGCMCVTPNGRPISGTAVAHKTPTCPGSV 127
QY 96 -----SRKALTLTLCOMQALIVNPGMCGPPSCAKDGSFPEVQCCASNGECYCVDKK 150
DB 128 NEKLPOREGTGKTIV--SLQIFSVLNSDDAAAPALETQPGDEEDIASRPTLTMTBOYKSR 185
QY 151 ELEGTROQGRPTCER-HISECEARIKANSRLRVMFVPECLDGSYNPVQCMWSTGYC 209
DB 166 Q-NKTNKNSVSSCDDEHQSALAEKQPKNDN-----VVIPECAHGLGLYKPVQCHSTGYC 239
QY 210 WCV-DEGGVAVPDSVDFRFRPTC 231
DB 240 WCVLVDTGRPIPTSTRTYEQPKC 262

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RESULT 5
US-09-764-875-827
; Sequence 827, Application US/09764875
; Publication No. US20040018969A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PU202
; CURRENT APPLICATION NUMBER: US/09/764,875
; PRIOR FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 1249
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 827
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-764-875-827

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Query Match
Best Local Similarity 20.1%; Score 259; DB 11; Length 434;
Matches 60; Conservative 32; Mismatches 91; Indels 20; Gaps 7;

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QY 41 QASANSGLIGTYVPCKETGEFEKQCKSGTGCWCVDDEGKELGTIKI-RSSPDC--- 95
DB 75 QEQARKFQGVFIPECDNDGTYSQVCHSTYTGCMCVTPNGRPISGTAVAHKTPTCPGSV 134
QY 96 -----SRKALTLTLCOMQALIVNPGMCGPPSCAKDGSFPEVQCCASNGECYCVDKK 150
DB 135 NEKLPOREGTGKTIV--SLQIFSVLNSDDAAAPALETQPGDEEDIASRPTLTMTBOYKSR 192
QY 151 ELEGTROQGRPTCER-HISECEARIKANSRLRVMFVPECLDGSYNPVQCMWSTGYC 209
DB 193 Q-NKTNKNSVSSCDDEHQSALAEKQPKNDN-----VVIPECAHGLGLYKPVQCHSTGYC 246
QY 210 WCV-DEGGVAVPDSVDFRFRPTC 231
DB 247 WCVLVDTGRPIPTSTRTYEQPKC 269

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RESULT 6

TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 855-0555

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/ TELEFAX: (650) 845-4166
/ INFORMATION FOR SEQ ID NO: 58:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 310 amino acids
/ TYPE: amino acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ IMMEDIATE SOURCE:
/ LIBRARY: GELANOT02
/ CLONE: 2530650
/ SEQUENCE DESCRIPTION: SEQ ID NO: 58 :
US-09-799-777-58

Query Match      19.8% Score 254.5, DB 9; Length 310;
Best Local Similarity 28.2%, Pred. No. 2.3e-16;
Matches 59; Conservative 29; Mismatches 78; Indels 43; Gaps 7;

QY 41 QASANSGLIGTVVPCKETEFEEKQWGSTGYCWCVDDEKELIGTKI-RGSPDCSRK 99
DB 98 QEQARKPEQOVRIFPCNDNDGTYSQVQCHSYTGCMCVTPNGRPISTAVAHKTRPC-----153
QY 100 AALTLQMMQALIVNPGMGP--PSCKADSPDEV-----QCCASNGECYC 144
DB 154 -----PQSVNEKLPQRBGTGKTDDAAPALETQPGDEBIDIASRYPTLM 197
QY 145 VDKKGELEGTROQGRPTCR-HLSCCEARIKAHNSLRVEMFVPECLDGSYNPVQCM 203
DB 198 TEOVKSRQKTKNKSVCSDQEHQSLERAPQNDN-----VVIPECAGHGLYKPVQCH 252
QY 204 PSTGYCMCV-DEGGYKVPQSDVAFKRPCTC 231
DB 253 PSTGYCMCVLDTRPIRGSTRYRQPKC 281

RESULT 9
US-09-796-753-88
/ Sequence 88, Application US/09796753
/ Publication No. US20030027998A1
/ GENERAL INFORMATION:
/ APPLICANT: McCarty, Sean A.
/ TITLE OF INVENTION: SECRETED PROTEINS AND USES THEREOF
/ FILE REFERENCE: 7853-227-999
/ CURRENT APPLICATION NUMBER: US/09/796,753
/ PRIOR FILING DATE: 2001-03-01
/ PRIOR APPLICATION NUMBER: 09/183,175
/ PRIOR FILING DATE: 1998-10-30
/ PRIOR APPLICATION NUMBER: 09/223,094
/ PRIOR FILING DATE: 1998-12-30
/ PRIOR APPLICATION NUMBER: 09/223,546
/ PRIOR FILING DATE: 1998-12-30
/ PRIOR APPLICATION NUMBER: 09/224,246
/ PRIOR FILING DATE: 1998-12-30
/ PRIOR APPLICATION NUMBER: 09/259,388
/ PRIOR FILING DATE: 1999-02-26
/ PRIOR APPLICATION NUMBER: 60/122,458
/ PRIOR FILING DATE: 1999-03-01
/ PRIOR APPLICATION NUMBER: 09/312,359
/ PRIOR FILING DATE: 1999-05-14
/ PRIOR APPLICATION NUMBER: 09/336,536
/ PRIOR FILING DATE: 1999-06-18
/ PRIOR APPLICATION NUMBER: 09/342,687
/ PRIOR FILING DATE: 1999-06-29
/ PRIOR APPLICATION NUMBER: 09/345,464
/ PRIOR FILING DATE: 1999-06-30
/ PRIOR APPLICATION NUMBER: 09/365,164
/ PRIOR FILING DATE: 1999-07-30
/ PRIOR APPLICATION NUMBER: 09/399,723
/ PRIOR FILING DATE: 1999-09-20
/ PRIOR APPLICATION NUMBER: 09/409,634
/ PRIOR FILING DATE: 1999-09-30
/ PRIOR APPLICATION NUMBER: 09/471,179
/ PRIOR FILING DATE: 1999-12-23
/ PRIOR APPLICATION NUMBER: 09/474,071

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/ PRIOR FILING DATE: 1999-12-29
/ PRIOR APPLICATION NUMBER: 09/474,072
/ PRIOR FILING DATE: 1999-12-29
/ PRIOR APPLICATION NUMBER: 09/514,010
/ PRIOR FILING DATE: 2000-02-25
/ PRIOR APPLICATION NUMBER: 09/516,745
/ PRIOR FILING DATE: 2000-03-01
/ PRIOR APPLICATION NUMBER: 09/572,002
/ PRIOR FILING DATE: 2000-05-14
/ PRIOR APPLICATION NUMBER: 09/597,993
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/ PRIOR APPLICATION NUMBER: 09/599,596
/ PRIOR FILING DATE: 2000-06-22
/ PRIOR APPLICATION NUMBER: 09/630,334
/ PRIOR FILING DATE: 2000-07-31
/ PRIOR APPLICATION NUMBER: 09/606,565
/ PRIOR FILING DATE: 2000-06-29
/ PRIOR APPLICATION NUMBER: 09/606,317
/ PRIOR FILING DATE: 2000-06-29
/ PRIOR APPLICATION NUMBER: 09/665,666
/ PRIOR FILING DATE: 2000-09-20
/ PRIOR APPLICATION NUMBER: 09/677,751
/ PRIOR FILING DATE: 2000-09-30
/ NUMBER OF SEQ ID NOS: 162
/ SEQ ID NO 88
/ LENGTH: 446
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-09-796-753-88

Query Match      19.8% Score 254.5, DB 10; Length 446;
Best Local Similarity 28.2%, Pred. No. 3.7e-16;
Matches 59; Conservative 29; Mismatches 78; Indels 43; Gaps 7;

QY 41 QASANSGLIGTVVPCKETEFEEKQWGSTGYCWCVDDEKELIGTKI-RGSPDCSRK 99
DB 98 QEQARKPEQOVRIFPCNDNDGTYSQVQCHSYTGCMCVTPNGRPISTAVAHKTRPC-----153
QY 100 AALTLQMMQALIVNPGMGP--PSCKADSPDEV-----QCCASNGECYC 144
DB 154 -----PQSVNEKLPQRBGTGKTDDAAPALETQPGDEBIDIASRYPTLM 197
QY 145 VDKKGELEGTROQGRPTCR-HLSCCEARIKAHNSLRVEMFVPECLDGSYNPVQCM 203
DB 198 TEOVKSRQKTKNKSVCSDQEHQSLERAPQNDN-----VVIPECAGHGLYKPVQCH 252
QY 204 PSTGYCMCV-DEGGYKVPQSDVAFKRPCTC 231
DB 253 PSTGYCMCVLDTRPIRGSTRYRQPKC 281

RESULT 10
US-10-247-451-1
/ Sequence 1, Application US/10247451
/ Publication No. US20030118579A1
/ GENERAL INFORMATION:
/ APPLICANT: Walker, Michael G.
/ APPLICANT: Krasnow, Randi E.
/ TITLE OF INVENTION: SPARC-RELATED PROTEINS
/ FILE REFERENCE: PC-0015-1 CIP
/ CURRENT APPLICATION NUMBER: US/10/247,451
/ PRIOR FILING DATE: 2002-09-18
/ PRIOR APPLICATION NUMBER: 09/642,703
/ PRIOR FILING DATE: 2000-03-03
/ PRIOR APPLICATION NUMBER: 09/349,015
/ PRIOR FILING DATE: 1999-07-07
/ PRIOR APPLICATION NUMBER: 09/840,787
/ PRIOR FILING DATE: 2001-04-23
/ PRIOR APPLICATION NUMBER: 6,132,973
/ PRIOR FILING DATE: 2000-10-17
/ PRIOR APPLICATION NUMBER: 5,932,442
/ PRIOR FILING DATE: 1999-08-03

```

NUMBER OF SEQ ID NOS: 41
SOFTWARE: PERL Program
SEQ ID NO 1
LENGTH: 446
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. US20030118579A1 2617724.orf1
US-10-247-451-1

Query Match 19.8%; Score 254.5; DB 14; Length 446;
Best Local Similarity 28.2%; Pred. No. 3.7e-16;
Matches 59; Conservative 29; Mismatches 78; Indels 43; Gaps 7;

QY 41 QASANSGLIGTVYPOCKETEFEKQCMWSGTCVDEDEKELIGTKI-RGSPDCSRRK 99
DB 98 QGQARKFQGVPIPECNDDGYISQVQCHSYTCVCPNCRPISGTAVAKTIRC-----153
QY 100 AALTLCQMWQAIIVNPGWGP--PSCKADGSFDEV-----QCCASNGECYC 144
DB 154 -----PGSVNKKLPQREGTGKTDAAAPALETOPQGDDEDIASRYPTLW 197
QY 145 VDKKKELEGTRQGGPTGER-HLSECEERIKANSNLRVEMFVEPECLDGSYPVQCM 203
DB 198 TEQVSRONKTNKNSVSSCDQHOSALEBAKOPKNDN-----VWPCAHGSLYKPYQCH 252
QY 204 PSTGYCWCV-DEGGVVPGSVDVRFKRPCTC 231
DB 253 PSTGYCWCVVDTRGRIPIGTSTRYEQKPC 281

RESULT 11
US-10-247-451-1
Sequence 1. Application US/10247451
Publication No. US20040018188A9
GENERAL INFORMATION:
APPLICANT: Walker, Michael G.
APPLICANT: Krasnow, Randi E.
TITLE OF INVENTION: SPARC-RELATED PROTEINS
FILE REFERENCE: PC-0015-1 CIP
CURRENT APPLICATION NUMBER: US/10/247,451
CURRENT FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: 09/642,703
PRIOR FILING DATE: 2000-03-03
PRIOR APPLICATION NUMBER: 09/349,015
PRIOR FILING DATE: 1999-07-07
PRIOR APPLICATION NUMBER: 09/840,787
PRIOR FILING DATE: 2001-04-23
PRIOR APPLICATION NUMBER: 6,132,973
PRIOR FILING DATE: 2000-10-17
PRIOR APPLICATION NUMBER: 5,932,442
PRIOR FILING DATE: 1999-08-03
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PERL Program
SEQ ID NO 1
LENGTH: 446
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc_feature
OTHER INFORMATION: Incyte ID No. US20040018188A9 2617724.orf1
US-10-247-451-1

Query Match 19.8%; Score 254.5; DB 15; Length 446;
Best Local Similarity 28.2%; Pred. No. 3.7e-16;
Matches 59; Conservative 29; Mismatches 78; Indels 43; Gaps 7;
QY 41 QASANSGLIGTVYPOCKETEFEKQCMWSGTCVDEDEKELIGTKI-RGSPDCSRRK 99
DB 98 QGQARKFQGVPIPECNDDGYISQVQCHSYTCVCPNCRPISGTAVAKTIRC-----153

QY 100 AALTLCQMWQAIIVNPGWGP--PSCKADGSFDEV-----QCCASNGECYC 144
DB 154 -----PGSVNKKLPQREGTGKTDAAAPALETOPQGDDEDIASRYPTLW 197
QY 145 VDKKKELEGTRQGGPTGER-HLSECEERIKANSNLRVEMFVEPECLDGSYPVQCM 203
DB 198 TEQVSRONKTNKNSVSSCDQHOSALEBAKOPKNDN-----VWPCAHGSLYKPYQCH 252
QY 204 PSTGYCWCV-DEGGVVPGSVDVRFKRPCTC 231
DB 253 PSTGYCWCVVDTRGRIPIGTSTRYEQKPC 281

RESULT 12
US-09-908-711-122
Sequence 122. Application US/09908711
Patent No. US20020045230A1
GENERAL INFORMATION:
APPLICANT: Rosen et al.
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
FILE REFERENCE: PA128
CURRENT APPLICATION NUMBER: US/09/908,711
CURRENT FILING DATE: 2001-07-20
PRIOR APPLICATION NUMBER: US01/01360
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,867
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01344
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,892
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01345
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,888
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01329
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,905
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01354
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,891
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01339
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,869
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01340
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,874
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01334
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,898
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01320
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,853
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01349
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,902
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01239
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,870
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01348
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: 09/764,882
PRIOR FILING DATE: 2001-01-17
PRIOR APPLICATION NUMBER: US01/01347
PRIOR FILING DATE: 2001-01-17

```

; PRIOR APPLICATION NUMBER: 09/764,896
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01307
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,864
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01341
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,856
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01336
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,868
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: US01/01312
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/209,467
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 167
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 122
; LENGTH: 409
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (68)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-908-711-122

```

```

Query Match      19.7%; Score 253.5; DB 9; Length 409;
Best Local Similarity 28.8%; Pred. No. 4.1e-16;
Matches 57; Conservative 29; Mismatches 69; Indels 43; Gaps 7;

QY 52 YPQCKETGEFEKQCKMGSTGYCWCVDGKEILGTI-RGSPDCSRKAALTLCOMMQA 110
   :::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 72 FIPECNDGTYSQVQHSTGYCWCVPNGRPISGTAVAHKTPRC----- 116
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 111 IIVNPGWGP--PSCKADGSFDEV-----QCCASNGECYCDKKGKELGRT 155
   ||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 117 -----PGSVNEKLPQREGTGKTDAAAPALETPQGDDEDIASRYPTLWTEGYSRQKKT 171
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 156 RQGRPTGER-HLSECEARIKAHNSLRAVEMFVECELEDGSYNVPQWCPSTGYCWCV-D 213
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 172 NKNVSSCDEHQSALBEAKQPKNDN-----VVIPECAHGGLYKYPQCHPSTGYCWCVLV 226
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 214 EGVKVPGSDVRFKRPCT 231
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 227 DTGRPIPTGSTRYEQPKC 244
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

```

```

RESULT 13
US-09-764-853-798
; Sequence 798, Application US/09764853
; Patent No. US20020090672A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: P206
; CURRENT APPLICATION NUMBER: US/09/764,853
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION data removed - consult PALM or file wrapper
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 798
; LENGTH: 409
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:

```

```

; NAME/KEY: SITE
; LOCATION: (68)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-764-853-798

```

```

Query Match      19.7%; Score 253.5; DB 9; Length 409;
Best Local Similarity 28.8%; Pred. No. 4.1e-16;
Matches 57; Conservative 29; Mismatches 69; Indels 43; Gaps 7;

QY 52 YPQCKETGEFEKQCKMGSTGYCWCVDGKEILGTI-RGSPDCSRKAALTLCOMMQA 110
   :::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 72 FIPECNDGTYSQVQHSTGYCWCVPNGRPISGTAVAHKTPRC----- 116
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 111 IIVNPGWGP--PSCKADGSFDEV-----QCCASNGECYCDKKGKELGRT 155
   ||:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 117 -----PGSVNEKLPQREGTGKTDAAAPALETPQGDDEDIASRYPTLWTEGYSRQKKT 171
   |:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 156 RQGRPTGER-HLSECEARIKAHNSLRAVEMFVECELEDGSYNVPQWCPSTGYCWCV-D 213
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 172 NKNVSSCDEHQSALBEAKQPKNDN-----VVIPECAHGGLYKYPQCHPSTGYCWCVLV 226
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 214 EGVKVPGSDVRFKRPCT 231
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 227 DTGRPIPTGSTRYEQPKC 244
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

```

```

RESULT 14
US-10-203-708-39
; Sequence 39, Application US/10203708
; Publication No. US20030149238A1
; GENERAL INFORMATION:
; APPLICANT: SMITHKLINE BEECHAM CORPORATION
; TITLE OF INVENTION: NOVEL COMPOUNDS
; FILE REFERENCE: GP50013
; CURRENT APPLICATION NUMBER: US/10/203,708
; PRIOR FILING DATE: 2002-08-13
; PRIOR APPLICATION NUMBER: PCT/US01/04703
; PRIOR FILING DATE: 2001-02-14
; PRIOR APPLICATION NUMBER: 60/182,172
; PRIOR FILING DATE: 2000-02-14
; PRIOR APPLICATION NUMBER: 60/186,084
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PasteSeq for Windows Version 3.0
; SEQ ID NO 39
; LENGTH: 408
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-203-708-39

```

```

Query Match      19.6%; Score 252.5; DB 14; Length 408;
Best Local Similarity 31.7%; Pred. No. 5.2e-16;
Matches 70; Conservative 26; Mismatches 88; Indels 37; Gaps 8;

QY 31 EASLTKQC-----QCCASNSGLIGTYVPQCKETGEFEKQCKMGSTGYCWCVDGKEILG 86
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 56 DAGQSKCLERLAQALQAKKPOEAVFVPECELEDGSTFYQCHTYGYCWCVPDGPISG 115
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 87 TKIRG-SPDCSRKAALTLCOMMQAIIIVNPGWGPSPCKADGS-----FDEIQ 134
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 116 SSVQWKTGYCGSASTDKPSQ-----GNSGKDDGSPPTPTWETQPVVDGDE 162
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 135 CCASNGECYCDKKGKELGRTQGRP---TCRRHLSECEARIKAHNSLRAVEMFVEPC 191
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 163 ITAPTLWIKHLVIXDKLNNTNIRSEKYSCHQ---ERQSALBEAQNN-REGIVTEC 218
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

QY 192 LEDGSYNVQWCPSTGYCWCV-DEGKVPKRPCT 231
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|
Db 219 APGGIKRPVQCHQSTGYCWCVLVDTGRPIPTGSTRYVMS 259
   ::::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|:::|

```

RESULT 15

```
US-10-247-451-2
; Sequence 2, Application US/10247451
; Publication No. US20030118579A1
; GENERAL INFORMATION:
; APPLICANT: Walker, Michael G.
; APPLICANT: Krasnow, Randi E.
; APPLICANT: Murry, Lynn E.
; TITLE OF INVENTION: SPARC-RELATED PROTEINS
; FILE REFERENCE: PC-0015-1 CIP
; CURRENT APPLICATION NUMBER: US/10/247,451
; PRIORITY FILING DATE: 2002-09-18
; PRIORITY APPLICATION NUMBER: 09/642,703
; PRIORITY FILING DATE: 2000-03-03
; PRIORITY APPLICATION NUMBER: 09/349,015
; PRIORITY FILING DATE: 1999-07-07
; PRIORITY APPLICATION NUMBER: 09/840,787
; PRIORITY FILING DATE: 2001-04-23
; PRIORITY APPLICATION NUMBER: 6,132,973
; PRIORITY FILING DATE: 2000-10-17
; PRIORITY APPLICATION NUMBER: 5,932,442
; PRIORITY FILING DATE: 1999-08-03
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PERL Program
; SEQ ID NO 2
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc.feature
; OTHER INFORMATION: Incyte ID No. US20030118579A1 6899373.orf2
US-10-247-451-2
```

```
Query Match          19.6%; Score 252.5; DB 14; Length 434;
Best Local Similarity 31.7%; Pred. No. 5,6e-16;
Matches 70; Conservative 26; Mismatches 88; Indels 37; Gaps 8;

QY      31 EASLTQCQ---QLQASANSGLIGTYVPQCKETGEFEKQCKWSTGYCWCVPDEGKELTG 86
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
DB      89 DAGQSKRLERAOALQEQAKPQENAFVFECEGDEGSPFQVQCHTYTGYCWCVPDPKPLSG 148
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
QY      87 TKIRG-SPDCGRKALTLTLCQWQAIIYVWPGWCGPSCADGS-----FDEVQ 134
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
DB      149 SSVQKRTVCGSGSVTKPLSQ-----GNSGRKDDGSKPTPTMETQPVFDGDE 195
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
QY      135 CCASNGECYCVDKKKELEGTROQGRP---TCERHLSECEEARIKAHNSLRYEMFVPEC 191
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
DB      196 TRPILTKLHYIDSLNNNTNIRNSEKYSQDQ---ERQSLERAOQNP-REGIVIPDC 251
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
QY      192 LEDGSYNPVQCPSTGYCWCV-DEGGVYVPGSDVRFKPTC 231
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
DB      252 APGLYKRPVQCHQSTGYCWCVLVDTGRPLPDTSTRYVMPSC 292
      :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :  :
```

Search completed: March 23, 2004, 16:07:14
Job time : 44 secs

GENERAL INFORMATION:
FACILE NO.: 8524/99

Query Match	19.8%;	Score 254.5;	DB 4;	Length 446;
Best Local Similarity	28.2%;	Pred. No. 4.3e-18;		
Matches 59;	Conservative 29;	Mismatches 78;	Indels 43;	Gaps 7;

RESULT 3

Query Match

Matches

Dh 85

87 QY

RESULT 4
US-08-698-551-6

Query Match

7 MALCIES

96 Db

DB 153

GENERAL IN

```

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/649,341A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.,
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15232-FWC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO.: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 186 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-649-341A-6

Query Match      9.5%; Score 122.5; DB 2; Length 186;
Best Local Similarity 35.1%; Pred. No. 6.4e-05;
Matches   27; Conservative 12; Mismatches 31; Indels    7; Gaps     3

QY       151 ELECTQQGPRPCRHSECEEARIKANSNLRYEMVPECLDEDSNYPVOQMPS-----T 206
           | : ||| |||||:: ::|||:: ::|||:: ::|||:: ::|||:: ::|||:: ::|||:: 
Db        96 EMRGESEG--PCRHH-EASIQELKASPVRVPAYLLFNCDRKGFYXKKCKPGRRR 152
             |||||:: |||||:: |||||:: |||||:: |||||:: |||||:: |||||:: |||||:: 

QY       207 GYCVCVDSSGYKVDPGS 223
           |||||:: |||||:: |||||:: |||||:: |||||:: |||||:: |||||:: |||||:: 
Db       153 GIQCVDXXGMKLPGME 169

RESULT 7
US-08-494-440B-6
Sequence No. Application US/08494440B
Patent No. 5849501
GENERAL INFORMATION:
APPLICANT: Lih, Lin-Ling
APPLICANT: Chen, Jennifer H.
APPLICANT: Schievella, Andrea
TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIAGND
FIELD OF INVENTION: PROTEINS AND INHIBITORS OF LIGAND BINDING
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/494,440B
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.,
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15232A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO.: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 186 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-494-440B-6
```

Query Match 9.5%; Score 122.5; DB 2; Length 186;
 Best Local Similarity 35.1%; Pred. No. 6.4e-05;
 Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

QY 151 ELEGTROGRPTCEHHSCEEARIRAHNSLRVEMFVEPCLEDSSYNPVCWPS---T 206
 DB 96 EMGSEEOG--PCRRHM-EASLOELKASPRWPAVYLPCDKRGYRKCKRSRGRK 152

QY 207 GYCWCVDEGVAVPBSD 223
 DB 153 GICWCVDKYGMKLPME 169

RESULT 8
 US-08-533-901B-6
 ; Sequence 6, Application US/08533901B
 ; Patent No. 5852173

GENERAL INFORMATION:

APPLICANT: Lin, Lih-Ling

APPLICANT: Chen, Jennifer H.

APPLICANT: Schievella, Andrea

TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND

TITLE OF INVENTION: PROTEINS AND INHIBITORS OF LIGAND BINDING

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genetics Institute, Inc.

STREET: 87 CambridgePark Drive

CITY: Cambridge

STATE: Massachusetts

COUNTRY: USA

ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/533,901B

FILING DATE:

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Brown, Scott A.

REGISTRATION NUMBER: 32,724

REFERENCE/DOCKET NUMBER: G15232

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617) 498-8224

TELEFAX: (617) 876-5851

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 186 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-533-901B-6

Patent No. 5891675
 ; GENERAL INFORMATION:
 ; APPLICANT: Lin, Lih-Ling
 ; APPLICANT: Chen, Jennifer H.
 ; APPLICANT: Schievella, Andrea
 ; APPLICANT: Graham, James
 ; TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND PROTEINS
 ; NUMBER OF SEQUENCES: 19
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genetics Institute, Inc.
 ; STREET: 87 CambridgePark Drive
 ; CITY: Cambridge
 ; STATE: Massachusetts
 ; COUNTRY: USA
 ; ZIP: 02140
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patentin Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/839,032A
 ; FILING DATE:
 ; CLASSIFICATION: 536
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Brown, Scott A.
 ; REGISTRATION NUMBER: 32,724
 ; REFERENCE/DOCKET NUMBER: G15232DIY
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 498-8224
 ; TELEFAX: (617) 876-5851
 ; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 186 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-839-032A-6

Query Match 9.5%; Score 122.5; DB 2; Length 186;
 Best Local Similarity 35.1%; Pred. No. 6.4e-05;
 Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

QY 151 ELEGTROGRPTCEHHSCEEARIRAHNSLRVEMFVEPCLEDSSYNPVCWPS---T 206
 DB 96 EMGSEEOG--PCRRHM-EASLOELKASPRWPAVYLPCDKRGYRKCKRSRGRK 152

QY 207 GYCWCVDEGVAVPBSD 223
 DB 153 GICWCVDKYGMKLPME 169

RESULT 10
 US-08-839-031A-6
 ; Sequence 6, Application US/08839031A
 ; Patent No. 5948638

GENERAL INFORMATION:

APPLICANT: Lin, Lih-Ling

APPLICANT: Chen, Jennifer H.

APPLICANT: Schievella, Andrea

APPLICANT: Graham, James

TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND

TITLE OF INVENTION: PROTEINS

NUMBER OF SEQUENCES: 15

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genetics Institute, Inc.

STREET: 87 CambridgePark Drive

CITY: Cambridge

STATE: Massachusetts

COUNTRY: USA

ZIP: 02140

COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/839, 031A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Sprunger, Suzanne A.,
REGISTRATION NUMBER: 41,323
REFERENCE/DOCKET NUMBER: G15232BDIV
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8284
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 186 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-839-031A-6

Query Match 9.5%; Score 122.5; DB 2; Length 186;
Best Local Similarity 35.1%; Pred. No. 6,4e-05;
Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

QY 151 ELSTGQGRPTCRHLSCEEARIKAHNSLRVEMFVEPCLEDGSDYNPQCWPS-----T 206
DB 96 EMKQSEEG--PCRHHM-EASLQELKASPRWVPRAVYLPNCORRKFYRKQCKPSGRRK 152
QY 207 GYCWCVDEGGVYKVGSD 223
DB 153 GICWCVDYKGMKLPQME 169

RESULT 11
US-09-185-258C-6
Sequence 6, Application US/09185258C
Patent No. 6322972
GENERAL INFORMATION:
APPLICANT: Lin, Lih-Ling
APPLICANT: Chen, Jennifer H.
APPLICANT: Schievella, Andrea
APPLICANT: Graham, James
TITLE OF INVENTION: Inhibitors of TNF receptor death domain ligand proteins and
FILE REFERENCE: GEN-5232CP4DV3
CURRENT APPLICATION NUMBER: US/09/185,258C
PRIOR FILING DATE: 1998-11-02
PRIOR APPLICATION NUMBER: 08/839,032
PRIOR FILING DATE: 1997-04-23
PRIOR APPLICATION NUMBER: 08/698,551
PRIOR FILING DATE: 1996-08-15
PRIOR APPLICATION NUMBER: 08/602,228
PRIOR FILING DATE: 1996-02-15
PRIOR APPLICATION NUMBER: 08/533,901
PRIOR FILING DATE: 1995-09-26
PRIOR APPLICATION NUMBER: 08/494,440
PRIOR FILING DATE: 1995-06-19
PRIOR APPLICATION NUMBER: 08/327,514
PRIOR FILING DATE: 1994-10-19
NUMBER OF SEQ ID NOS: 19
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 186
TYPE: PRT
ORGANISM: Homo sapiens
US-09-185-258C-6

Query Match 9.5%; Score 122.5; DB 4; Length 186;
Best Local Similarity 35.1%; Pred. No. 6,4e-05;
Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

QY 151 ELSTGQGRPTCRHLSCEEARIKAHNSLRVEMFVEPCLEDGSDYNPQCWPS-----T 206
DB 96 EMKQSEEG--PCRHHM-EASLQELKASPRWVPRAVYLPNCORRKFYRKQCKPSGRRK 152
QY 207 GYCWCVDEGGVYKVGSD 223
DB 153 GICWCVDYKGMKLPQME 169

RESULT 12
PCT-US95-12724-6
Sequence 6, Application PC/TUS9512724
GENERAL INFORMATION:
APPLICANT: Lin, Lih-Ling
APPLICANT: Chen, Jennifer H.
APPLICANT: Schievella, Andrea
APPLICANT: Graham, James
TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND
TITLE OF INVENTION: PROTEINS AND INHIBITORS OF LIGAND BINDING
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESSES:
ADDRESSER: Genetics Institute, Inc.
STREET: 87 Cambridgepark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: USA
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/12724
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
REFERENCE/DOCKET NUMBER: G15232B
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 186 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-12724-6

Query Match 9.5%; Score 122.5; DB 5; Length 186;
Best Local Similarity 35.1%; Pred. No. 6,4e-05;
Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

QY 151 ELSTGQGRPTCRHLSCEEARIKAHNSLRVEMFVEPCLEDGSDYNPQCWPS-----T 206
DB 96 EMKQSEEG--PCRHHM-EASLQELKASPRWVPRAVYLPNCORRKFYRKQCKPSGRRK 152
QY 207 GYCWCVDEGGVYKVGSD 223
DB 153 GICWCVDYKGMKLPQME 169

RESULT 13
US95-5212074-7
Patent No. 5212074
APPLICANT: KIEFER, MICHAEL C., WASTARZ, FRANK R.
TITLE OF INVENTION: GENETIC MATERIAL ENCODING NEW
INSULIN-LIKE GROWTH FACTOR BINDING PROTEIN IGFBP-6
NUMBER OF SEQUENCES: 7
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/576,629

FILLING DATE: 31-AUG-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 574,613
 FILLING DATE: 28-AUG-1990
 SEQ ID NO: 7
 LENGTH: 237

Query Match 9.5%; Score 122.5; DB 6; Length 237;
 Best Local Similarity 23.0%; Pred. No. 8,9e-05;
 Matches 52; Conservative 30; Mismatches 73; Indels 71; Gaps 13;

QY 37 CQQLQASANSGL-----IGTYVQCKETETEPKQCKSGSYGVKWCVDGDELL 85
 DB 23 CEELVREPPGGCCATCATGAGMPGCVYTPRCG-----SGLRCPYPRGV-----EKPL 69
 QY 86 GTKLRSPDSCSRKKAALTCQMCAIIVVPGMCPSPCKADG-----SFDEVQCCASNG 140
 DB 70 HTLHGGQVCWELALBAIQESLQ-----PDDKDEGHNNFS--PCSAHDR 115
 QY 141 ECVYCDK-----KKELESTRQGRP-----TCERHLSCEEARIKAHNSLR 183
 DB 116 R--CLQKHFAKIRDSSTSGMKYNGAPREDARVPYQSCSSEIHRALE--RLASQSRTH 172
 QY 184 VEMF---VPECLDGSYNVQWPS-----TGYWCVD--EGYKVPK 221
 DB 173 EOLYIIPNCDRNNFHKQCHPALDGRGKWCVDKRTGVKLP 218

RESULT 14
 US-08-698-551-8
 Sequence 8, Application US/08698551
 Patent No. 5712381

GENERAL INFORMATION:
 APPLICANT: Lin, Lin-Ling
 APPLICANT: Chen, Jennifer H.
 APPLICANT: Schievella, Andrea
 TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND
 TITLE OF INVENTION: PROTEINS AND INHIBITORS OF LIGAND BINDING
 NUMBER OF SEQUENCES: 18
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genetics Institute, Inc.
 STREET: 87 Cambridgepark Drive
 CITY: Cambridge
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02140
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/698,551
 FILLING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Brown, Scott A.
 REGISTRATION NUMBER: 32,724
 REFERENCE/DOCKET NUMBER: G15232D
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 498-8224
 TELEFAX: (617) 876-5851
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-698-551-8

Query Match 9.5%; Score 122.5; DB 1; Length 272;

Best Local Similarity 35.1%; Pred. No. 0.00011;
 Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

QY 151 ELBETRQGRPTCEHLSCEEARIKAHNSLRVEMFVPECLDGSYNVQWPS-----T 206
 DB 182 EMROSEBQ--PCRHH--EASLQELKASPRMVPRAVYLPNCDRKGFYKQCKPBRGRK 238
 QY 207 GYCWCVDEGGVKKVPGSD 223
 DB 239 GICWCVDXKMKLPGME 255

RESULT 15
 US-08-602-228-8
 Sequence 8, Application US/08602228
 Patent No. 5843675

GENERAL INFORMATION:
 APPLICANT: Lin, Lin-Ling
 APPLICANT: Chen, Jennifer H.
 APPLICANT: Schievella, Andrea
 TITLE OF INVENTION: NOVEL TNF RECEPTOR DEATH DOMAIN LIGAND
 TITLE OF INVENTION: PROTEINS AND INHIBITORS OF LIGAND BINDING
 NUMBER OF SEQUENCES: 16
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genetics Institute, Inc.
 STREET: 87 Cambridgepark Drive
 CITY: Cambridge
 STATE: Massachusetts
 COUNTRY: USA
 ZIP: 02140
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/602,228
 FILLING DATE:
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Brown, Scott A.
 REGISTRATION NUMBER: 32,724
 REFERENCE/DOCKET NUMBER: G15232C
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 498-8224
 TELEFAX: (617) 876-5851
 INFORMATION FOR SEQ ID NO: 8:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 272 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-602-228-8

Query Match 9.5%; Score 122.5; DB 2; Length 272;
 Best Local Similarity 35.1%; Pred. No. 0.00011;
 Matches 27; Conservative 12; Mismatches 31; Indels 7; Gaps 3;

QY 151 ELBETRQGRPTCEHLSCEEARIKAHNSLRVEMFVPECLDGSYNVQWPS-----T 206
 DB 182 EMROSEBQ--PCRHH--EASLQELKASPRMVPRAVYLPNCDRKGFYKQCKPBRGRK 238
 QY 207 GYCWCVDEGGVKKVPGSD 223
 DB 239 GICWCVDXKMKLPGME 255

Search completed: March 23, 2004, 16:02:36
 Job time : 24 secs